

ARIZONA



TAC Meeting #3

A C C E S S
M A N A G E M E N T

June 22, 2006



Meeting Agenda

1. Welcome/Introductions

2. Project Overview

- Current Practice Report/Financial Element
- Vision Statement/Program Objectives
- Project Meeting Summary
- Agency Outreach Meeting

BREAK

3. Access Management Framework

4. Classification System Standards

5. Next Steps



Welcome/Introductions



Project Overview



Current Practice Report

- **Completed**
- **Additional Work Underway**
 - Access Management Program
 - Financial Information



Vision Statement

Develop a Statewide Access Management Program that provides consistency of program decisions and process while maintaining flexibility to assure reasonable access. Create a partnership with local agencies to balance local planning and economic goals with the safe and efficient operation of the State Highway System.



Program Objectives

- 1) Develop a comprehensive access management program structure within ADOT departments.
- 2) Develop access spacing and design standards.
- 3) Update interchange design and spacing criteria and establish minimum spacing standards.
- 4) Update ADOT roadway design guidelines and traffic engineering policies.
- 5) Establish a statewide access classification system that assigns access classifications to each state highway.



- continued



Program Objectives, *continued*

- 6) Strengthen and standardize the access permit process
- 7) Provide for a strategic approach to the acquisition of access rights
- 8) Establish clear procedures and guidance for adoption and implementation of corridor access management plans
- 9) Provide outreach, technical assistance, and incentives to encourage local government participation

- *continued*



Program Objectives, *continued*

- 10) Develop materials that clearly communicate the importance of access management to stakeholder group.
- 11) Develop an access management program organizational structure that builds on the existing staffing and structure.
- 12) Identify start-up and on-going funding needs for a statewide access management program.



Project Outreach

- **District Meetings**
- **Regional Planning Organizations**
 - NACOG
 - PAG
 - MAG
 - Flagstaff MPO
 - Yuma MPO



Project Outreach, *continued*

- **ADOT Regional Traffic Engineer Group**
- **ADOT Statewide Permit Group Meeting**
- **ADOT Communication and Community Partnership**
- **Other Outreach**
 - Presentation at Roads & Streets Conference
 - Arizona APA Conference in September



Agency Outreach Meeting

- **Completed Four**
 - Yuma
 - Flagstaff
 - Prescott
 - Kingman
- **Two More by End of June**
 - Globe
 - Safford
- **Scheduling Holbrook (Navajo Nation)**
- **Tucson/Phoenix District Will Use PAG and MAG Committee Structures**



Highlights From District Outreach Meetings

- **Developing a Plan with More “Teeth” and Flexibility to Deal with the Gray Areas**
- **Safety**
- **Economic Impacts, Concerns, and Benefits**
- **Need for ADOT and Agency Communication/Coordination/Partnerships**
- **Conditional Land Use Approval**



District Outreach Meeting Agenda

Agency Outreach Meeting

May 10, 2006

Agenda:

Introduction

- ADOT TPD - *Dale Buskirk*
- ADOT Kingman District - *Mike Kondells, District Engineer*

What is Access Management?

- Benefits

Project Overview

- Policy Initiative
- Work Flow
- Schedule
- Vision and Objectives

Local Agency Perspective on Access Management

- Current Practice

How will a Statewide Access Management Program Work?

- Local Agency Coordination
- Framework Concepts
- Classification System
- Corridor Access Management Plans

Next Steps

- Brief Local Elected Officials
- Identify Development /Business Community Participants
- Next Agency Outreach Meetings



Handouts

ARIZONA STATEWIDE ACCESS MANAGEMENT PROGRAM OVERVIEW



ARIZONA

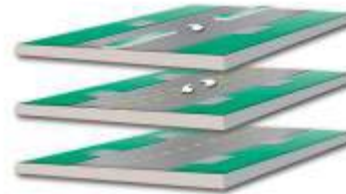


ACCESS
MANAGEMENT



Arizona Department of Transportation

BENEFITS OF A STATEWIDE ACCESS MANAGEMENT PROGRAM FOR ARIZONA



ARIZONA



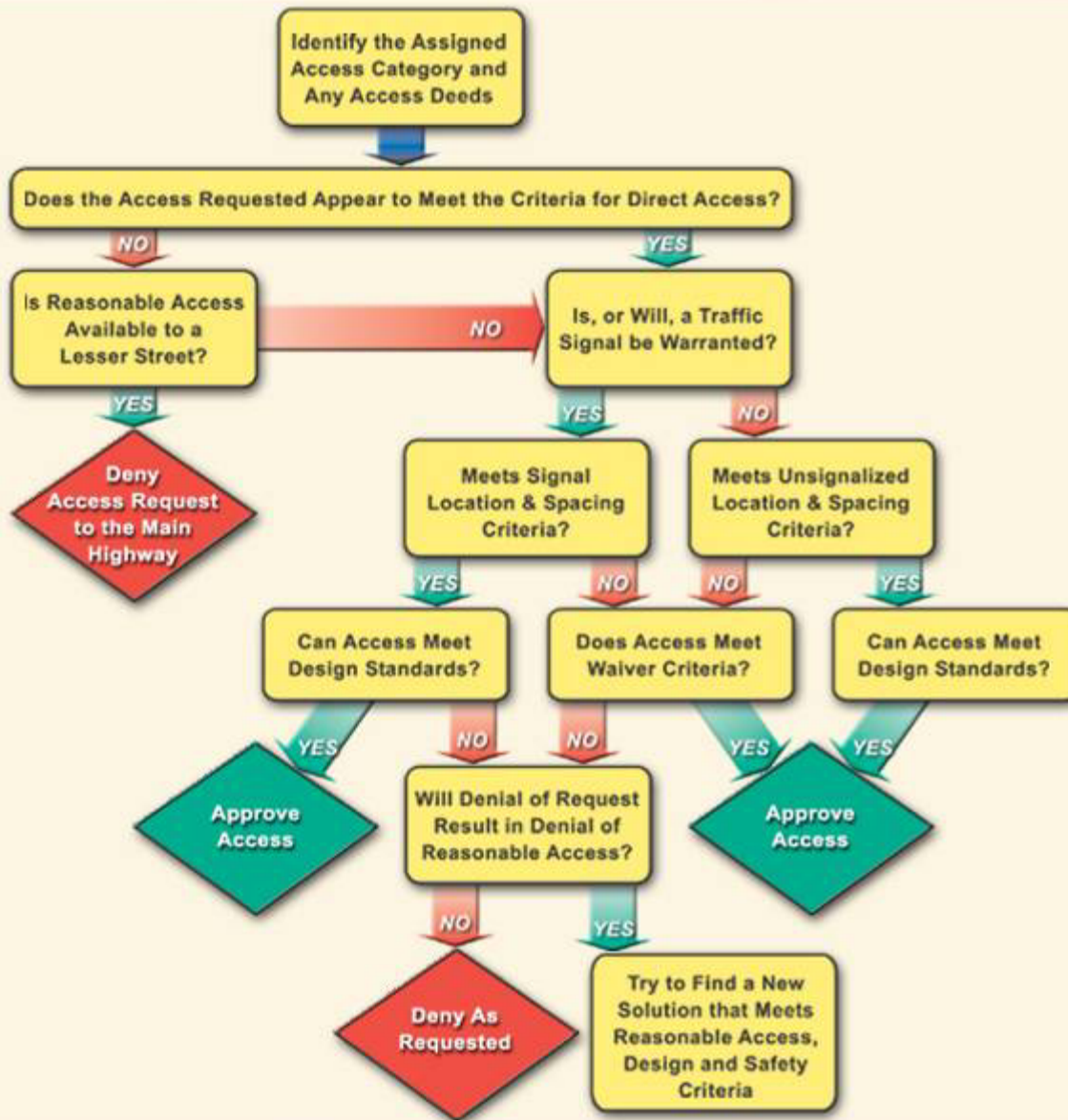
ACCESS
MANAGEMENT



Arizona Department of Transportation

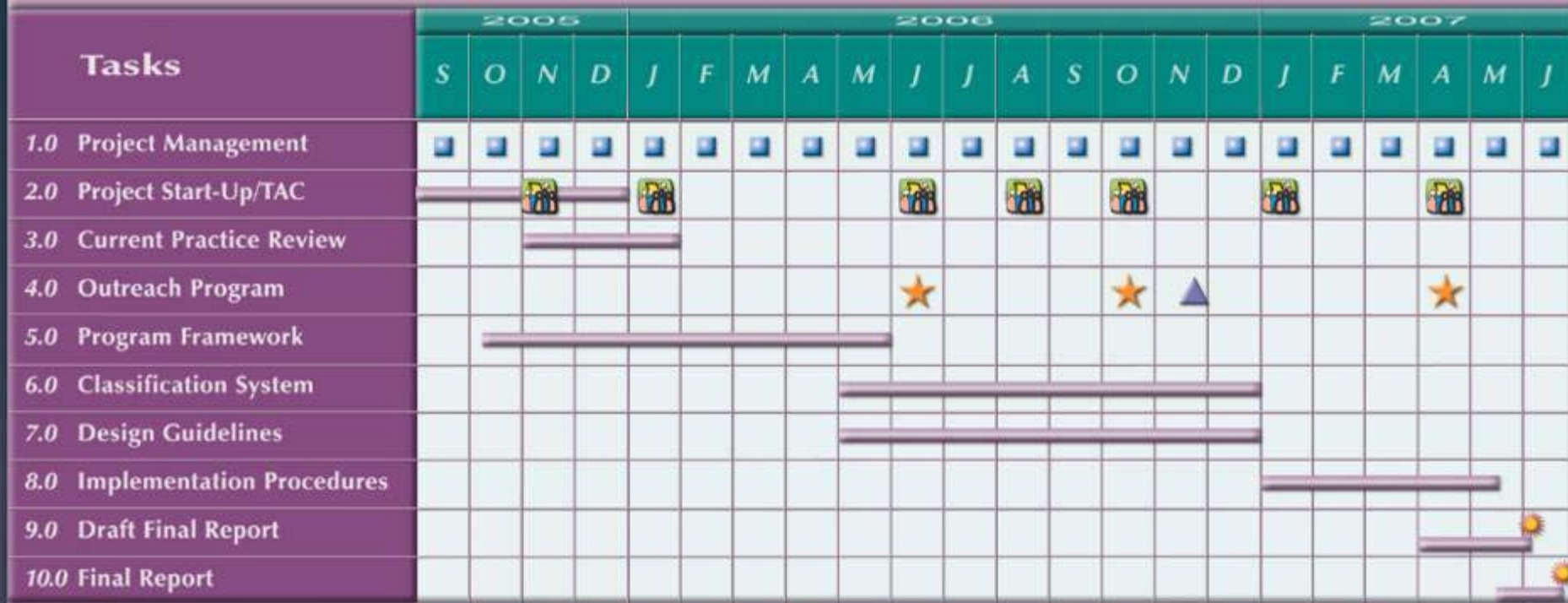


Conceptual Access Management Decision Flow Chart



Schedule

Arizona Access Management Program Work Schedule



▲ Transportation Board Briefing

☀ Draft-Final and Final Reports

■ TAC Meeting

★ Statewide Workshops

■ Project Management Team Meeting



ACCESS DECISIONS

Access Permitting Process

- ❖ *Permits Issued*
- ❖ *Local Land Use Reviews*
- ❖ *Access Management Plan Participation*
- ❖ *Unit Reporting and Management*
- ❖ *Local Agency Coordination*
- ❖ *Traffic Impact Analysis Reports*
- ❖ *Driveway Access Construction*
- ❖ *Access Related Roadway Construction*

Arizona Highway Projects

- ❖ *Roadway Design Driveway and Intersection Decisions*
- ❖ *Project Related Access Closures*
- ❖ *Access Management Plans*
- ❖ *Right of Way Acquisition and Access Control*
- ❖ *Project Related Access Closures*
- ❖ *Access Management Plans*
- ❖ *Interchange Design and Access Management of Approaches*
- ❖ *Access Controls for Freeways*

Planning

- ❖ *Move AZ*
- ❖ *Budget Planning*
- ❖ *Air Quality Benefits of AM*
- ❖ *Data and Information*

Right of Way Activities

- ❖ *Appraisal of Access Changes for Compensation Value*
- ❖ *Acquisition Agent Guidance*
- ❖ *Access Reductions by Acquisition*
- ❖ *Access Change Damage Claims*
- ❖ *Condemnation Proceedings Involving Access Issues and Damages*

Local Agencies

- ❖ *Land Use Plans*
- ❖ *Zoning Ordinances and Development*
- ❖ *Subdivision and Exceptions*
- ❖ *Traffic Impact Reports*
- ❖ *Adopted Comprehensive Plans*
- ❖ *Annexation and Growth Boundaries*

Transportation Board

- ❖ *Access Policies*
- ❖ *Budget Allocations*
- ❖ *Capital Investment Strategies*
- ❖ *Safety and Mobility Policies*
- ❖ *ADOT Organizational Structure*

ADOT Construction Practices

- ❖ *Adherence to Design and Driveway Decisions*
- ❖ *Quality Assurance for Driveway Construction*
- ❖ *Materials and Specifications for Private Access*

Traffic & Safety Programs

- ❖ *Identification of High Crash Rates Related to Access*
- ❖ *Identification of Access Related Congestion*
- ❖ *Crash Histories and Reporting Requirements*
- ❖ *Access Related Safety Project Funding*

ARIZONA



A C C E S S
M A N A G E M E N T

Arizona Department of Transportation Statewide Access Management Manual



Access Management Framework

- Framework will be a Manual
 - Guidance for all access decisions
 - Board policy for all ADOT Units
- Heart of Manual will be Access Rule and Access Category Assignments



Current Access Rules

- Current access requirements are within Encroachment rules.
- Title 17. Transportation, Chapter 3. Department of Transportation, Article 5. Highway Encroachments and Permits (R17-3-501 to 509)
- Rule addresses about 12 different permitting issues
 - Access, Utilities, Drainage, Airspace (signs), Landscaping, Special events, Rest areas, adopt-a-highway, surveying, traffic control



Proposed Access Rules

- Put access rules into separate section
- Have Two New Rules
- Main Rule: Will include processes and standards for making all access decisions
- Second Rule – Access Category Assignments made by the Board
 - (See your handout)



Why Separate Access Rules

- Managing access is managing property rights
- Other Encroachment permitting is not directly related to property rights. Utilities, Drainage, Airspace (signs), Landscaping, Special events, Rest areas, adopt-a-highway, surveying, traffic control
- Separate Rule allows more flexibility and more precise management and guidance for access decisions.
- New Access Rule will be significantly larger.



Separate Rules

- Rule Two, access category assignments.
- The assignments are the application of the main access rules and access classification system – to the selected roadway segments.
- These assignments, or revised assignments, may occur separately from any changes to access rules and standards.



Access Rule Content

- Authority, Basis and Purpose
- When and How Rule is applied in access permitting decision
- Permit Application Process, Obtaining a Permit
 - Pre-application Meetings, Application requirements, Traffic Impact Studies, Processing Applications, Contents of an Access Permit (terms and conditions)



Access Rule Content

continued

- Access Requests by Local Authorities
- Access Construction (conducting construction, inspection)
- Changes in Land Use and Access Use
- Maintenance & Permit Transfer
- Access Violations
- Appeals (of ADOT denial or terms and conditions of permit)



Access Rule Content

continued

- Access Management Plans
- Interchange Management Plans
- Access Changes during highway reconstruction projects



Access Rule Content

continued

- Access Category System Determinations
- Process to determine an access assignment
- Subsequent Changes in Assigned Categories
- Descriptions of each access category and standards for access determination



Access Design Standards and Specifications

- Access Spacing
- Sight Distance standards (and maintenance of sight triangle)
- Design Vehicle Selection
- Stopping and Deceleration Adjustment Factors for Highway Grade
- Driveway plan and profile
- Access Width, Access Radii, Surfacing



Driveway Design



Median Design Requirements



Access Design

- Design Criteria for Acceleration and Deceleration Lanes
- Median Design for Turn Lane Installation
- Other Design Elements
- Accommodating other modes (bikes, peds, transit)
- Design Variance Procedures



Design Variances

- Not a loosely defined “Get Home Free Card”
- Specific criteria to determine hardship
- Safety and operational analysis
- Approved by Applicant, Applicant’s PE and a ADOT PE
- Variance ‘repaired’ when need ends



Access Manual - Chapter 1

- Legal authority of DOT and Local Gov'.
- Why important, reference health, safety and fiscal responsibilities of agencies.
- Needs and benefits explained, safety and operational principles of AM, Effects of Managing Access (benefits to state economy and public safety)
- ADOT Access Program Framework (Overview, of how the program works as a integrated policy and implementation program



Chapter 2. Access Decision Making

- Where to start, what to expect, how to walk through the process.)
- How Are Access Decisions Made by ADOT
- Local government coordination.
- Explain the access category system
- Types of access permits issued
- Decision and process flow chart (s).



Chapter 3. Access Permitting Rules (as published by Sec't of State)

- Two new rules. 1. Access Permitting. 2. Access Category Assignments.
- The Rules address all mandatory procedures effecting an applicant.
- Any process, standard or requirement that places a burden on the applicant.
- Any standard, requirement, process which may need to be enforceable.
- All potential contents of a permit, such as terms and conditions, that may need enforcement.



Chapter 4. Coordination with Local and State Agencies

- How ADOT and local agencies share development review information
- Guidance on how to complete a review of proposed development.
- Assessing traffic and safety impacts to the DOT system.
- Model land development ordinances with access management and elements.



Chapter 5. Access Management Plans for Corridors

- Process for developing a plan. (Scope of work)
- Local agency involvement
- Involving all stakeholders: land owners, lessees, local agencies
- Legal process (IGAs, Adoptions, incorporations, recording)
- Templates, models for AMPs.



Chapter 6. Traffic Studies and Engineering

- Standards for studies
- Traffic Studies Content (TIA's)
- Impact Analysis, using study to determine short-term and long-term impacts
- Safety Evaluation
- Determining conformity of access and impacts with State access rules



Chapter 7. Access Control by Ownership

- When access deeds are obtained to control access.
- Requests of new openings in existing access deeds, deed revisions.
- Temporary access crossings of an access control deed
- Relinquishing access rights for public transportation purposes.



Chapter 8. Managing Access at and near Interchanges

- Engineering, operation, and safety issues near interchanges
- Access Control extending along cross road
- Frontage road intersection treatments
- Extending medians along cross road
- When the cross road is not a state highway



Chapter 9. Access Design and Construction

- Construction plans and specifications for access permitting (guidance, not a repeat of existing ADOT policies and rules)
- Inspection and specification enforcement.
- IGAs for construction plans and construction engineering for large projects.
- Access Design templates, typical plans and design guidance
- Design references



Manual As Framework

- Access Rules address all access decisions, not just access permitting
- All ADOT Units are required NOT to make a decision that is not in conformance with the access Rules.
 - Project design, ROW acquisition
- Local agencies should not make decisions that would result in access that is not in conformance with the Rules



Access Classification System



Access Classification System

- Establish an access decision hierarchy of the state system that is aligned with the state transportation plan.
- Ensure that each access decision is consistent with meeting the purpose of the state roadway.
- Access category is the functional guidance on day to day access decisions impacting the performance of the roadway.



Access Classifications

- The category assignment guides the decision to determine if access will be granted
- To some degree, the access related improvements required. (turn lanes)
- Determines the type of access that may be granted. (Signal, restricted turns, field approaches, temporary, emergency, other limitations)



Proposed Categories

Freeway (FW)

Rural Expressway (RX)

Urban Expressway (UX)

Rural Principal (RP)

Urban Principal (UP)

Rural Secondary (RS)

Urban Mixed (UM)

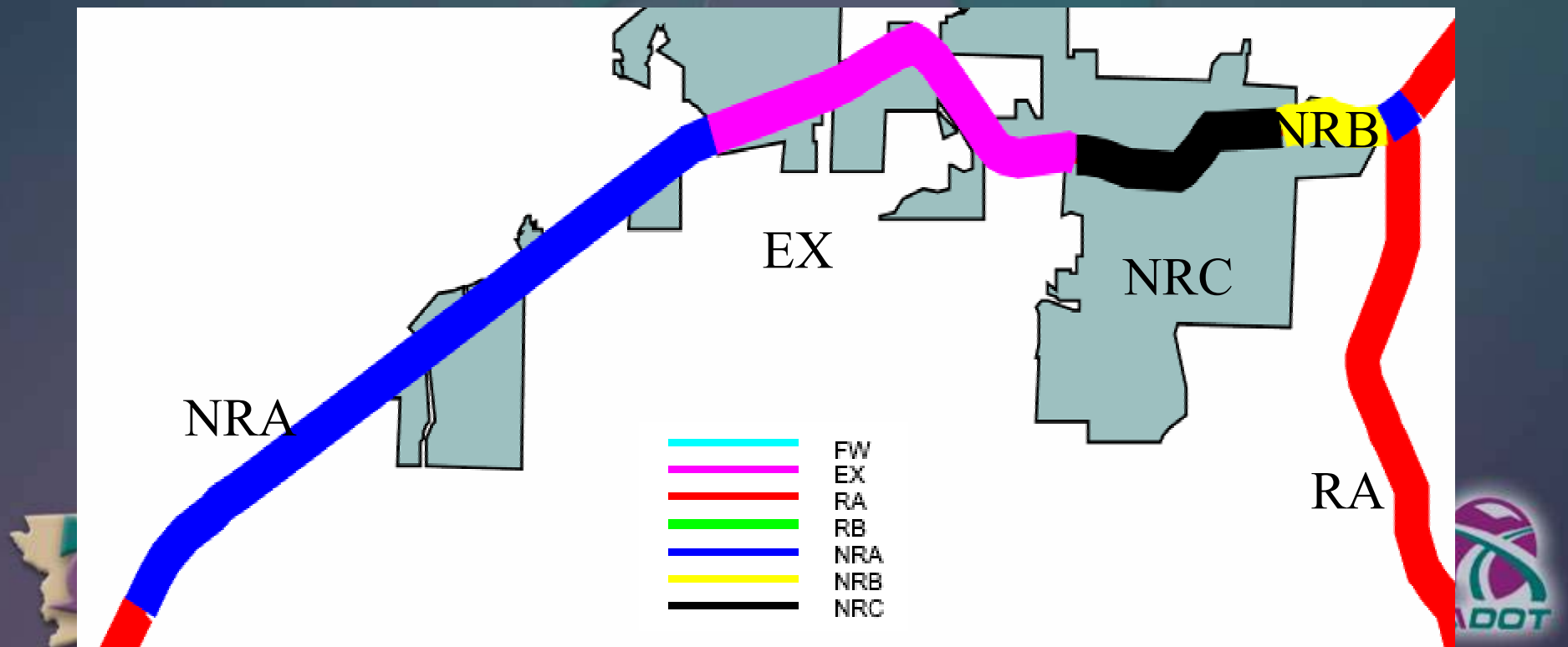
Rural (Dirt) Collector (RC)

Urban Secondary (US)

Service, Frontage and other Access roads (SF)



160A	111.371	121.527	007	EX	FROM LA PLATA/ARCHULETA CO LINE TO COUNTY RD 9.20 (PIEDRA)
160A	121.527	126.968	007	RA	FROM COUNTY RD 9.20 (PIEDRA) TO JCT SH 151
160A	126.968	137.399	007	RA	FROM JCT SH 151 TO COUNTY RD 22.50
160A	137.399	140.882	007	NRA	FROM COUNTY RD 22.50 TO COUNTY RD 25.00 WEST OF PAGOSA SPRINGS
160A	140.882	142.944	007	EX	FROM COUNTY RD 25.00 TO 10TH ST IN PAGOSA SPRINGS
160A	142.944	143.990	007	NRC	FROM 10TH ST TO SAN JUAN RIVER STR O-08-A IN PAGOSA SPRINGS
160A	143.990	144.459	007	NRB	FROM SAN JUAN RIVER STR O-08-A IN PAGOSA SPRINGS TO JCT SH 84



Access Category Determinations

- Within the Access Rule
- Process to determine an access assignment
- Subsequent Changes in Assigned Categories
- Descriptions of each access category and standards for access determination



Category Assignment Criteria

- State and local transportation plans and functional classifications
- Existing and projected traffic volumes
- Current and future highway capacity and levels of service
- Character of lands adjoining the highway
- Local land use plans and zoning
- Reasonable access provided by municipal streets and county roads



Key Category Access Factors

- Intersection Spacing
- Traffic Signal Spacing
- Allowing direct access or require to obtain alternative access
- Proof of access necessity
- Scope of access improvement, such as requiring auxiliary lanes, (decel and accel)



Freeways 'FW'

- Both Interstate and non-Interstate
- Full access control of private rights using access deeds and/or frontage roads
- Control of access on cross street near the interchange.





Freeways

Rural Expressway 'RX'

- Full control of private access rights by ownership by ADOT or frontage roads
- Long term intersections at one-mile and two-mile spacing
- No private direct access (exceptions possible)
- Expressways may be two lanes or more
- Access decision guidance in a rural environment.



Rural Expressway



Urban Expressway 'UX'

- Full control of private access rights by ownership by ADOT or frontage roads
- Long term intersections at one-half and one-mile spacing
- No private direct access (rare exceptions possible)
- Expressway may be two lanes, most likely four lanes or more
- Access decision guidance in a urban environment





Urban Expressway

Urban Expressway

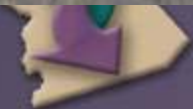


Rural Principal 'RP'

- Major regional highway. NHS?
- Purpose in state plan is key criteria, not volume or design.
- One-half or one-mile major intersection spacing.
- No private access unless no alternatives or functions as a public intersection
- Auxiliary lanes normally required



Rural Principal 'RP'



Rural Secondary

- **Rural Secondary 'RS'**
- Public intersections at half-mile (section quarters)
- Auxiliary lanes for busy access points
- Access points are limited to those necessary to provide reasonable service.
- **Rural Collector 'RC'**
- Collector level, not meant for long distance travel, May be dirt or paved



Urban Principal 'UP'

- Major Urban Inter and Intra Urban Regional Highway
- High volume, high mobility, medium to high speeds
- One-half mile and one-mile intersection spacing generally
- No private direct access unless . .
- Auxiliary lanes standard



Urban Mixed 'UM'

- Major urban inter and intra urban regional highway - Older highway with historically mixed abutting uses and a range of users.
- Not to be applied to new alignments or segments where UP level of control is feasible
- Direct access may be permitted
- Access needs to be a necessity.



Urban Mixed



Urban Secondary 'US'

- Not functioning well as a state highway, but is on the system.
- No plans for upgrading, reconstructing to higher category.
- Minor highway on the state transportation plan.
- Access decisions are based on appropriate design for volume, operation and safety
- Access points are limited to those necessary to provide reasonable service



Urban Secondary 'US'



Service, Frontage - 'SF'

- Important for their function as access collectors and local streets, to decrease access demands on the major state roadway, to distribute traffic volumes to and from access points to the major highway.
- Access decisions are based on appropriate design for volume, operation and safety.
- Access points are limited to those necessary to provide reasonable service.



Next Steps



Next Steps

- Finish District Agency Outreach
- Business/Development Community Outreach Process
- Elected Officials Letter



Next Steps *continued*

- TAC Meetings (tentative schedule)
 - August 31st
 - September 26th
 - October 24th
- Tentative Future Agency Outreach Meetings
 - October 30th through November 21st
 - (Excluding November 6, 7, 8)

